

IN THE CLAIMS

Please amend the claims as follows:

1-8. (Canceled)

9. (Currently Amended) A semiconductor die stencil having a top surface, a bottom surface, and one or more side surfaces, the bottom surface having a surface tension at least one order of magnitude less than a surface tension of the top surface and at least one order of magnitude less than a surface tension of the side surfaces.

10. (Original) A semiconductor die stencil having at least a first surface and a second surface, the first surface having a surface tension less than a surface tension of the second surface to retard adhesive running from the second surface onto the first surface.

11. (Original) The semiconductor die stencil of claim 10, wherein the first surface is a bottom surface.

12. (Original) The semiconductor die stencil of claim 10, wherein the second surface is a top surface.

13. (Original) The semiconductor die stencil of claim 10, wherein the second surface is a side surface.

14. (Currently Amended) A semiconductor die stencil having at least a first surface and a second surface, the first surface having a surface tension at least one order of magnitude greater than a surface tension of the second surface to promote adhesive running onto a semiconductor die.

15-39. (Canceled)

40. (Currently Amended) The semiconductor die stencil of claim 9 wherein the top surface is a coating selected from the group consisting of any one or more of tungsten, tungsten carbide, tungsten nitride, nickel, and nickel alloy in any combination.

41. (Currently Amended) The semiconductor die stencil of claim 9 wherein the bottom surface is a polymeric material.[[.]]

42. (Currently Amended) The semiconductor die stencil of claim 12 wherein the top surface is a coating selected from the group consisting of any one or more of tungsten, tungsten carbide, tungsten nitride, nickel, and nickel alloy in any combination.

43. (Previously Presented) The semiconductor die stencil of claim 11 wherein the bottom surface is a polymeric material.

44. (Previously Presented) The semiconductor die stencil of claim 14 wherein the second surface is a polymeric material.

45. (Previously Presented) The semiconductor die stencil of claim 14 wherein the first surface is a coating selected from the group consisting of any one or more of tungsten, tungsten carbide, tungsten nitride, nickel, and nickel alloy in any combination.

46. (Currently Amended) A semiconductor die stencil to assist in application of a printable adhesive in a desired pattern onto a semiconductor die comprising:

a stainless steel semiconductor die stencil sheet which is impervious to a printable adhesive applied thereto;

a plurality of apertures in the sheet of material defining a desired pattern for application of the printable adhesive; and

a coating selectively applied to the bottom surface of the sheet to retard spreading of the printable adhesive onto the bottom surface of the sheet when the sheet contacts the semiconductor die without obstruction of the flow of printable adhesive through the apertures.

47. (Previously Presented) The semiconductor die stencil of claim 46, wherein both the coating and the material have a surface tension, the surface tension of the coating being less than the surface tension of the material.

48. (Previously Presented) The semiconductor die stencil of claim 47, wherein the surface tension of the coating is at least an order of magnitude less than the surface tension of the material.

49. (Previously Presented) The semiconductor die stencil of claim 48, wherein the coating is a polymeric material.

50. (Currently Amended) A semiconductor die stencil to assist in application of a printable adhesive material onto a substrate comprising:

a sheet of material which is impervious to a printable adhesive material applied thereto;
a plurality of apertures in the sheet material defining a desired pattern; and
a coating applied to at least one surface of the sheet to promote spreading of the printable adhesive material, wherein the coating has a surface tension at least one order of magnitude less than the sheet.

51. (Previously Presented) The semiconductor die stencil of claim 50, wherein both the coating and the sheet have a surface tension, the surface tension of the coating greater than the surface tension of the sheet.

52. (Previously Presented) The semiconductor die stencil of claim 50, wherein the coating is selected from the group consisting of tungsten, tungsten carbide, tungsten nitride, nickel, and nickel alloy.